

Numbering for 82248,
Method to Assemble Optical Components to a Substrate

| | | | |
|----|------------------------------|----|-------------------------------------|
| 10 | optical alignment assembly | 50 | traces on the substrate |
| 11 | | 51 | |
| 12 | alignment fixture | 52 | contacts on the substrate |
| 13 | | 53 | |
| 14 | optical connector | 54 | |
| 15 | | 55 | |
| 16 | optical fibers | 56 | |
| 17 | | 57 | |
| 18 | alignment guide pins | 58 | |
| 19 | | 59 | |
| 20 | transparent substrate | 60 | optical source |
| 21 | | 61 | |
| 22 | alignment apertures | 62 | optical receiver for optical source |
| 23 | | 63 | |
| 24 | optical array | 64 | pick and place computer |
| 25 | | 65 | |
| 26 | surface of optical connector | 66 | controller |
| 27 | | 67 | |
| 28 | first end of optical fibers | 68 | |
| 29 | | 69 | |
| 30 | second end of optical fibers | 70 | recognition module |
| 31 | | 71 | |
| 32 | receptacle of fixture | 72 | pick and place arm |
| 33 | | 73 | |
| 34 | aperture in fixture | 74 | |
| 35 | | 75 | |
| 36 | 1st surface of substrate | 76 | |
| 37 | | 77 | |
| 38 | 2nd surface of substrate | 78 | |
| 39 | | 79 | |
| 40 | | 80 | alignment marks |
| 41 | | 81 | |
| 42 | | 82 | 1st surface of array |
| 43 | | 83 | |
| 44 | | 84 | 2nd surface of array |
| | | 85 | |
| | | 86 | optical ports |
| | | 87 | |
| | | 88 | traces |
| | | 89 | |
| | | 90 | contact pads |
| | | 91 | |
| | | 92 | |
| | | 93 | |